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1 BIOCIDE COMPOSITION CONTAINING PROPIONIC

2 ACID AND IODINE COMPOUNDS:

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14 ABSTRACT OF THE DISCLOSURE:

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A biodegradable composition having long term phase and composition stability, and a method for producing both short and long period biocide activity, is used for disinfecting animal husbandry surfaces, in the medical and food industry, and the like. The composition contains propionic acid for pH control, and preferably iodine or an iodine containing compound. The propionic acid combines with ambient ammonia, or ammonia containing compounds arising from fermenting litter and manure to form ammonium propionate, which in turn inhibits or prevents microorganism formation, including mold formation. A surfactant which complexes with the iodine may also be used for spraying onto surfaces, and is effective in the presence of a high organic challenge and hard water.